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Approved for use through 10/31/2002. OMB 0651-0032
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.		TI-36945
		Muhammad Zubair Ikram
Title	A Hybrid IMMSE-I Apparatus For A I	LMMSE Receiver Processing Technique And MIMO WLAN

ER640661564US

	See MF	APPLICATIO				4 <i>DDF</i>	RES	S TO:	Box	sistant Comr k Patent App shington, D(ts
1.	х	Fee Transmittal Form (e		ressing)	<u> </u>	7.				n duplicate, la		S. PT0
2		· -	icant claims small entity status.					leotide and	•	Acid Sequen	ce Submission	U.S. 650(
3. [- Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention						a. b.	Specifica i.	tion Sequer	Readable For nce Listing or ROM or CD-R	. ,	16834
							C.	ii. [Pape Statements		ntity of above copies	
		 Brief Description of the Detailed Description Claim(s) 	Drawings (ii filed	"			AC	COMP	ANYING	APPLIC	ATION PARTS	
		- Abstract of the Disclosi	ure			9.	х	Assignn	nent Papei	rs (cover sh	eet & documents(s))
4.	X	Drawing(s) (35 U.S.C. 1	13)	Total Sheets	1	10.		37 CFR	3.73(b) Sta	tement	X Power of Attorney	"
5.	Oath or	Declaration		[Total Pages	1	11.		English	Translatio	n Document	(if applicable)	
	a. [X Newly Executed	(original or copy)		<u> </u>	12.		Informati	ion Disclost	ıre	Copies of I	DS
	b. [Copy from a prior	r application (37 (13.			nt (IDS)/PT		Citations	
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		L	TION OF INV		-1(-)	14.	(Should be specifically iterffized)					
							Certified Copy of Priority Document(s) (if foreign priority is claimed)					
		1.00(0)(2	z) and 1.00(b).			16.			(i). Applicar		35 U.S.C. 122 n form PTO/SB/35	
6. [Application Data Sheet.	See 37 CFR 1.76			17.		Other:				
18.	If a CO	NTINUING APPLICAT	TON, check ap	propriate box	c, and suppl	the re	quisite	e informa	tion below	v and in a p	reliminary amendi	ment,
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For C	ONTINUA	n information: Exar ATION OR DIVISIONAL APPS Closure of the accompanying	niner only: The entire of	lisclosure of the	prior applicati	on, from	which a	in oath or d	up / Art Unit.	s supplied und	ler Box 5b, is consider	ed a
porti	on has be	en inadvertently omitted fro	m the submitted a	pplication parts.	·				nice. The na		m only be relied upon	wilen a
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COL	JNTRY		TE	LEPHONE	(972) 917	-5633				FAX	(972) 917-4418	
Nam	e (Print	/Туре)	Dwight N. I	Holmbo			Reg	gistration	No. (Attor	rney/Agent)	Reg. No. 36	,410
Sign	ature		D wis	ht 1.	Holmlo	_				Date	1/26/04	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office. Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL for FY 2004

Patent fees are subject to annual revision

Complete If Known					
Application Number	TBD				
Filing Date	January 26, 2004				
First Named Inventor	Muhammad Zubair Ikram				
Examiner Name	TBD				
Group Art Unit	TBD				
Attorney Docket No.	TI 20045				

TOTAL AMOUNT OF	TOTAL AMOUNT OF PAYMENT (\$) 810.00 Attorney Docket No. TI-36945										
METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)							
The Commissioner is hereby authorized to charge to the following Deposit Account,				ADDIT	TIONAL	- FEES	3				
Deposit Account Number	Account,	20-0668	Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee	e Description	Fee Paid		
Deposit Account Name	Texas Ir	xas Instruments Incorporated			2051 2052	65 25	Surcharge - la Surcharge - la cover sheet.	te filing fee te provisional filing fee or			
Charge any additional fee Charge all indicated fees and any additional fee required or overpayment credit any overpayment					1053	130	Non-English s	pecification			
		_	1812	•	1812	2,520		uest for reexamination			
2. Payme	ent Enclosed	1:	1804	920*	1804	920*	Requesting pu Examiner action	blication of SIR prior to			
		Money Other Order	1805	1,840*	1805	1,840*	Requesting pu Examiner action	blication of SIR after			
	FEE CALC	ULATION	1251	110	2251	55	Extension for r	eply within first month			
1. BASIC FILIN	NG FEE		1252	420	2252	210	Extension of ti	me within second month			
	nall Entity ee Fee	Fee Description Fee Paid	1253	950	2253	475		me within third month			
	ode (\$)	ree Description Fee Paid	1254 1255	1,480 2,010	2254 2255	740 1,005		me within fourth month me within fifth month	-		
1001 770 20	001 385	Utility filing fee \$770	1401	330	2401	165	Notice of Appe				
1002 340 20	002 170	Design filing fee \$	1402	330	2402	165	• •	support of an appeal			
1003 530 20	003 265	Plant filing fee \$	1403	290	2403	145	Request for or	al hearing			
1004 770 20	004 385	Reissue filing fee \$	1451	1,510	1451	1,510	Petition to insti	to institute a pubic use proceeding			
1005 160 20	005 80	Provisional filing fee \$	1452	110	2452	5 5	Petition to revi	ve - unavoidable			
SUBTOTAL (1) (\$)770.00				1,330 1,330	2453 2501	665 665	Petition to revi Utility issue fee	ve - unintentional e (or reissue)			
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE				480	2502	240	Design issue fe				
Fee from				640 130	2503 1460	320 130	Plant issue fee	the Commissioner			
Extra Claims below Fee Paid				50	1807	50		for provisional applications	, ———		
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Independent 2 Claims	-3** = 0	x 86 = 0	8021	40		40	Recording each	n patent assignment per number of properties)	\$40		
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**or number previously paid, if greater; For Reissue, see below				770	2810	385	CFR 1.129(a)) For each additi examined (37 (onal invention to be CFR 1.129(b))			
Fee Fee Fo Code (\$) Co	nall Entity ee Fee ode (\$) 202 9	Fee Description Claims in excess of 20	Other fee (specify)								
1201 86 22	201 43	Independent Claims in excess of 3					***************************************				
	203 140	Multiple dependent claims in excess of 3									
1204 86 22	204 43	**Reissue independent claims over original patent	Oth	er fee (s	necify)						
1205 18 22	9 9	**Reissue claims in excess of 20 and over original patent	Other fee (specify)								
SUBTOTAL (2) (\$)0.00					sic Filing	Fee Pai	d	SUBTOTAL (3)	\$40		
SUBMITTED BY								Complete (if app	licable)		
Typed or Printed Name Dwight N. Holmbo								Reg. Number	36,410		
Signature Duright n. Hohal					Date		/26/2004	Deposit Account User ID	N/A		